

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/573,794  
Source: IFWP  
Date Processed by STIC: 04/06/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

## RAW SEQUENCE LISTING

DATE: 04/06/2006

PATENT APPLICATION: US/10/573,794

TIME: 10:34:12

Input Set : A:\Sequence Listing - 2006\_0470A.txt

Output Set: N:\CRF4\04062006\J573794.raw

3 <110> APPLICANT: Japan Science and Technology Agency  
 5 <120> TITLE OF INVENTION: Royal Jelly Peptide  
 7 <130> FILE REFERENCE: 04F039PCT  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/573,794  
 C--> 9 <141> CURRENT FILING DATE: 2006-03-28  
 9 <150> PRIOR APPLICATION NUMBER: JP 2003-338665  
 10 <151> PRIOR FILING DATE: 2003-09-29  
 12 <160> NUMBER OF SEQ ID NOS: 17  
 14 <170> SOFTWARE: PatentIn version 3.1  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 37  
 18 <212> TYPE: DNA  
 19 <213> ORGANISM: Artificial Sequence  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: Primer 1  
 24 <220> FEATURE:  
 25 <221> NAME/KEY: misc\_feature  
 26 <222> LOCATION: (1)..(37)  
 27 <223> OTHER INFORMATION: i  
 30 <400> SEQUENCE: 1  
 W--> 31 aaracnwsna thwsngtnaa rggngarwsn aaygtng 37  
 34 <210> SEQ ID NO: 2  
 35 <211> LENGTH: 29  
 36 <212> TYPE: DNA  
 37 <213> ORGANISM: Artificial Sequence  
 39 <220> FEATURE:  
 40 <223> OTHER INFORMATION: Primer 2  
 42 <400> SEQUENCE: 2  
 43 cgttggcacc agacacgata gatgaaacc 29  
 46 <210> SEQ ID NO: 3  
 47 <211> LENGTH: 29  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Artificial Sequence  
 51 <220> FEATURE:  
 52 <223> OTHER INFORMATION: Primer 3  
 54 <400> SEQUENCE: 3  
 55 tttctgaatt ttattaatta ctttattcg  
 58 <210> SEQ ID NO: 4  
 59 <211> LENGTH: 50  
 60 <212> TYPE: DNA  
 61 <213> ORGANISM: Artificial Sequence  
 63 <220> FEATURE:  
 64 <223> OTHER INFORMATION: Fragment 1

Does Not Comply  
 Corrected Diskette Needed  
 (pg-1, 2, 3, 5)

Invalid Response.  
 what is the source  
 of genetic material?  
 pls see glen 11 on error  
 summary sheet.

## RAW SEQUENCE LISTING

DATE: 04/06/2006

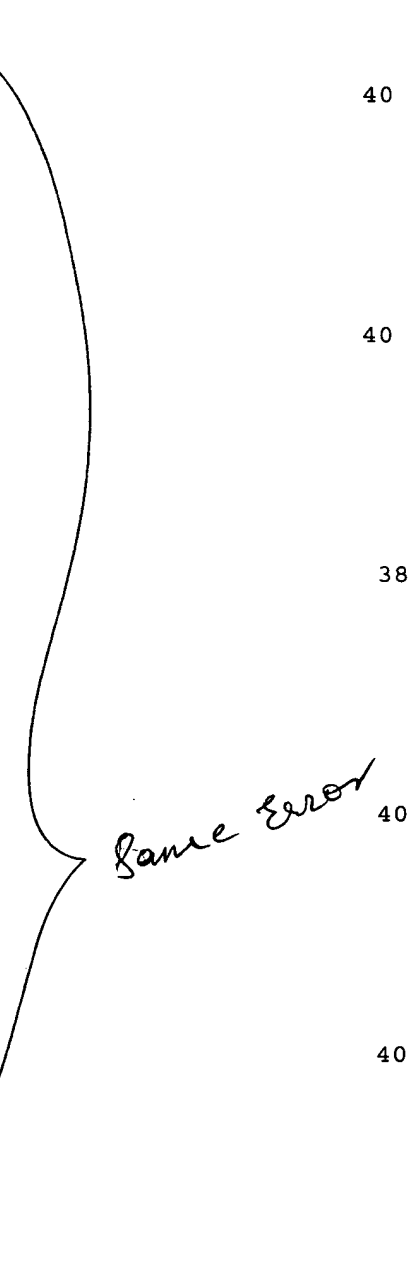
PATENT APPLICATION: US/10/573,794

TIME: 10:34:12

Input Set : A:\Sequence Listing - 2006\_0470A.txt

Output Set: N:\CRF4\04062006\J573794.raw

66 <400> SEQUENCE: 4  
67 aaaacctcta tctctgttaa aggcgaatcc aacgttgatg ttgtttccca 50  
70 <210> SEQ ID NO: 5  
71 <211> LENGTH: 40  
72 <212> TYPE: DNA  
73 <213> ORGANISM: Artificial Sequence  
75 <220> FEATURE:  
76 <223> OTHER INFORMATION: Fragment 2  
78 <400> SEQUENCE: 5  
79 gatcaactct ctggtttctt ctatcgtttc tgggtgctaac 40  
82 <210> SEQ ID NO: 6  
83 <211> LENGTH: 40  
84 <212> TYPE: DNA  
85 <213> ORGANISM: Artificial Sequence  
87 <220> FEATURE:  
88 <223> OTHER INFORMATION: Fragment 3  
90 <400> SEQUENCE: 6  
91 gtttctgcag tactgctggc tcagactctg gttaacatcc 40  
94 <210> SEQ ID NO: 7  
95 <211> LENGTH: 38  
96 <212> TYPE: DNA  
97 <213> ORGANISM: Artificial Sequence  
99 <220> FEATURE:  
100 <223> OTHER INFORMATION: Fragment 4  
102 <400> SEQUENCE: 7  
103 tgcagatcct gatcgacgct aacgttttcg cttaatatg 38  
106 <210> SEQ ID NO: 8  
107 <211> LENGTH: 40  
108 <212> TYPE: DNA  
109 <213> ORGANISM: Artificial Sequence  
111 <220> FEATURE:  
112 <223> OTHER INFORMATION: Fragment 5  
114 <400> SEQUENCE: 8  
115 ttttgagat agagacaatt tccgcttagg ttgcaactac 40  
118 <210> SEQ ID NO: 9  
119 <211> LENGTH: 40  
120 <212> TYPE: DNA  
121 <213> ORGANISM: Artificial Sequence  
123 <220> FEATURE:  
124 <223> OTHER INFORMATION: Fragment 6  
126 <400> SEQUENCE: 9  
127 aacaaagggt ctagttgaga gaccaaagaa gatagcaaag 40  
130 <210> SEQ ID NO: 10  
131 <211> LENGTH: 40  
132 <212> TYPE: DNA  
133 <213> ORGANISM: Artificial Sequence  
135 <220> FEATURE:  
136 <223> OTHER INFORMATION: Fragment 7  
138 <400> SEQUENCE: 10



Same Error

## RAW SEQUENCE LISTING

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Input Set : A:\Sequence Listing - 2006\_0470A.txt

Output Set: N:\CRF4\04062006\J573794.raw

139 accacgattg caaagacgtc atgacgaccg agtctgagac 40

142 <210> SEQ ID NO: 11

143 <211> LENGTH: 48

144 <212> TYPE: DNA

145 <213> ORGANISM: Artificial Sequence

147 <220> FEATURE:

148 <223> OTHER INFORMATION: Fragment 8

150 <400> SEQUENCE: 11

151 caattgtagg acgtctagga ctagctgcga ttgcaaaagc gaattatc 48

154 <210> SEQ ID NO: 12

155 <211> LENGTH: 31

156 <212> TYPE: DNA

157 <213> ORGANISM: Artificial Sequence

159 <220> FEATURE:

160 <223> OTHER INFORMATION: LIC Forward

162 <400> SEQUENCE: 12

163 ggtattgagg gtgcgaaaac ctctatctct g 31

166 <210> SEQ ID NO: 13

167 <211> LENGTH: 33

168 <212> TYPE: DNA

169 <213> ORGANISM: Artificial Sequence

171 <220> FEATURE:

172 <223> OTHER INFORMATION: LIC Reverse

174 <400> SEQUENCE: 13

175 agaggagagt tagagcccta ttaagcgaaa acg 33

178 <210> SEQ ID NO: 14

179 <211> LENGTH: 162

180 <212> TYPE: DNA

181 <213> ORGANISM: bee

183 <220> FEATURE:

184 <221> NAME/KEY: misc\_feature

185 <222> LOCATION: (1)..(162)

186 <223> OTHER INFORMATION: unknown

189 <220> FEATURE:

190 <221> NAME/KEY: CDS

191 <222> LOCATION: (1)..(162)

192 <223> OTHER INFORMATION:

W--> 194 <400> 14

195 aaa aca tca atc agt gtc aaa ggc gaa tcg aac gtg gat gtc gtt tcc 48

196 Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser

197 1 5 10 15

199 caa atc aac agt ttg gtt tca tct atc gtg tct ggt gcc aac gtg tca 96

200 Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser

201 20 25 30

W--> 203 gca gta ctc cta gct caa act tta gtt aat atc ctg caa att nnn atc 144

204 Ala Val Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Xaa Ile

205 35 40 45

207 gac gct aat gtt ttc gct 162

208 Asp Ala Asn Val Phe Ala

*Some Error*

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TIME: 10:34:12

Input Set : A:\Sequence Listing - 2006\_0470A.txt

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```

209      50
212 <210> SEQ ID NO: 15
213 <211> LENGTH: 54
214 <212> TYPE: PRT
215 <213> ORGANISM: bee
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: (47)..(47)
220 <223> OTHER INFORMATION: The 'Xaa' at location 47 stands for Lys, Asn, Arg, Ser, Thr,
Ile,
221      Met, Xaa, Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp,
222      Cys, or Phe.
224 <400> SEQUENCE: 15
226 Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser
227 1          5          10          15
230 Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser
231          20          25          30
W--> 234 Ala Val Leu Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Xaa Ile
235          35          40          45
238 Asp Ala Asn Val Phe Ala
239      50
242 <210> SEQ ID NO: 16
243 <211> LENGTH: 162
244 <212> TYPE: DNA
245 <213> ORGANISM: bee
247 <220> FEATURE:
248 <221> NAME/KEY: CDS
249 <222> LOCATION: (1)..(162)
250 <223> OTHER INFORMATION:
W--> 252 <400> 16
253 aaa aca tca atc agt gtc aaa ggc gaa tcg aac gtg gat gtc gtt tcc      48
254 Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser
255 1          5          10          15
257 caa atc aac agt ttg gtt tca tct atc gtg tct ggt gcc aac gtg tca      96
258 Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser
259          20          25          30
261 gca gta ctc cta gct caa act tta gtt aat atc ctg caa att ctt atc      144
262 Ala Val Leu Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Leu Ile
263          35          40          45
265 gac gct aat gtt ttc gct      162
266 Asp Ala Asn Val Phe Ala
267      50
270 <210> SEQ ID NO: 17
271 <211> LENGTH: 54
272 <212> TYPE: PRT
273 <213> ORGANISM: bee
275 <400> SEQUENCE: 17
277 Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser
278 1          5          10          15
281 Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser

```

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282                    20                    25                    30  
285 Ala Val Leu Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Leu Ile  
286                    35                    40                    45  
289 Asp Ala Asn Val Phe Ala  
290                    50  
291 1/11



## RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 04/06/2006

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Input Set : A:\Sequence Listing - 2006\_0470A.txt

Output Set: N:\CRF4\04062006\J573794.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6,9,15,18,24,30,36

Seq#:14; N Pos. 139,140,141

Seq#:14; Xaa Pos. 47

Seq#:15; Xaa Pos. 47

## VERIFICATION SUMMARY

DATE: 04/06/2006

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TIME: 10:34:13

Input Set : A:\Sequence Listing - 2006\_0470A.txt

Output Set: N:\CRF4\04062006\J573794.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:194 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:192  
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:96  
M:341 Repeated in SeqNo=14  
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:32  
L:252 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:250